

**METHOD FOR THE WATERMARKING OF A VIDEO
SEQUENCE WITH ADAPTIVE SELECTION OF THE
WATERMARK INSERTION ZONE, CORRESPONDING
DETECTION METHOD, DEVICES, DATA CARRIER AND
COMPUTER PROGRAM**

5

ABSTRACT OF THE DISCLOSURE

A method for the watermarking of a sequence of video images implements a step for the insertion of at least one watermarking bit into at least one motion vector obtained by motion estimation between two images of said sequence, so as to obtain at least one watermarked motion vector. The motion vector is identified by its coordinates in a reference space, partitioned into two types of complementary zones, each having a distinct binary value associated with it. The insertion step implements, if necessary, a modification of the coordinates of said motion vector so that it is located in a binary value zone corresponding to said watermarking bit to be inserted. During said modification, at least two potential watermarked motion vectors are determined and, from among said potential watermarked motion vectors, an optimal watermarked motion vector is selected according to at least one predetermined criterion, so that the modified coordinates of said motion vector are those of said optimal watermarked motion vector.